

Table 1
Basic Outline of Cost Estimate Assumptions by Year, Number of Operators, Cost Category

	Year 1					Year 2		Year 3			Year 4			Year 5		
	Certificates by:				Renew	Cert(exam)	Renew	Cert(exam)	Renew	CE req	Cert	Renew	CE req	Cert	Renew	CE req
	Grade	Exam	D-renew	Grndprt												
Treatment Operators	1	445			1,221	445	1,221	445			445	1,221	1,221	445	1,221	1,221
	2	481			3,193	481	3,193	481			481	3,193	3,193	481	3,193	3,193
	3	165			1,009	165	1,009	165			165	1,009	1,009	165	1,009	1,009
	4	85			435	85	435	85			85	435	435	85	435	435
	5	17			223	17	223	17			17	223	223	17	223	223
Distribution Operators																
<u>Interim (currently wkg)</u>	1			370					370	370						
	2			400					400	400						
	3			140					140	140						
	4			70					70	70						
	5			20					20	20						
<u>CNAWWA certified</u>	1															
	2		4,663						4,663							
	3		2,143						2,143							
	4		503						503							
	5		84						84							
<u>Exam applicants</u>	1	391				613		445			445	391	391	445	613	613
	2	422				663		481			481	422	422	481	663	663
	3	148				230		165			165	148	148	165	230	230
	4	74				116		85			85	74	74	85	116	116
	5	21				30		17			17	21	21	17	30	30

NOTES:

General---Department has assumed that the attrition rate for operators will equal the increase in new operators for each grade.

1. Number of treatment operator certificates/yr is based on 1997-98 existing certification program data.
2. Number of treatment operators renewing in years 1 & 2 is 1/2 # currently certified and on biennial renewal.
3. Continuing education units (CE) are required to renew any certificate expiring after 12/31/03; this column shows # of operators that will require CE.
4. 1,000 distribution operators currently working will be grandparented in effective at the beginning of yr 1 ("interim").
5. 7,393 California/Nevada American Water Works Assoc. (CNAWWA) certified operators will be immediately deemed to be state certified and required to apply for a 2-yr "renewal" during year 1 that will expire 1/1/04; subsequent renewals will be standard 3 yrs..
6. Number of distribution operator exam applicants being certified is different in each of first 3 years:
 - yr 1 represents distribution of 2,110 operators currently working who pass exam;
 - yr 2 represents a mixture of those who failed the first yr and new applicants;
 - yr 3 represents the ongoing applicant/pass rate anticipated based on existing treatment operator program data.